

Christopher Januario

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EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Science in Mathematics and Computer Science, Minor in Physics

Aug 2022 - May 2026

Courses: CS II, Discrete Strcuts, OOP, Obj Oriented Software, Algs for ML, AI, Systems Software, Calc III, Phy w/ Calc III, QIP, Diff Eq II, Stats Methods + Theory

Cypress Bay Highschool

Weston, FL

Cambridge Advanced International Certificate of Education Diploma, AP Scholar w/ Distinction

Aug 2018 – Jun 2022

Courses: AP Calc AB & BC, AP Phys I & C, AP CS Principles and A, AICE CS AS & A, Robotics

Clubs: Founding member of CS club - tutoring, Robotics - VEX Competition, Wind Ensemble - 4ys Principal Bassoonist, Marching Band - 2ys Tenor Drums

EXPERIENCE

StraCon @ NAVAIR Enterprise Research and Data Science (NERDS) Labs – Orlando, FL

Sep 2024 – present

Junior Computer Programmer (SECRET Clearance)

- Created dashboards, ETL systems, and shell script automation on a product with active users and CI/CD
- Design and implementation of Data Table components to perform CRUD operations on various data sets

Sci Solutions – Sunrise, FL (remote)

Aug 2023 – Jun 2024

Intern Node.js Developer

- Convert legacy PHP to React & Express.js. Create APIs to query SQL. Implementation of authorization and webpage security
- Design and implementation of Data Table components to perform CRUD operations on various data sets

Creating Real – Orlando, FL

Jan 2024 – Mar 2024

Intern Web Developer

- Developed pages for <https://crcl.app> using Node.js, Embedded JavaScript, and styling with TailwindCSS
- Created modular SEO solution for centralized control in Express Server

Wendy's

Shift Manager – Orlando, FL

Aug 2022 – Dec 2022

- Delegated tasks and managed schedules. Evaluated the restaurant and set goals and priorities for crew
- Responsible for honest transactions, money depositing, and resolving customer affairs
- Managed inventory, food waste, sanitation, crew members, and all aspects of up to 10-hour shifts

Crew / Team Trainer – Weston, FL

Feb 2022 – Aug 2022

- Managed cashier, drive-through interactions, and onboarded new crew members
- Created and implemented a schedule for weekly deep sanitation on Sunday lunch shifts

ASM Music Schools – Davie, FL

Feb 2021 – Jun 2022

Substitute Music Teacher

- Taught various percussion fundamentals, styles, and exercises to students K-12
- Continued private instructor Eloy Oliveros' progress plan for each student. Evaluation and assignment of homework

NanoXD – Weston, FL

Jun 2018 – Mar 2020

Contract Web Developer

- Built and designed UI in WordPress, generating HTML and CSS
- Implementation of data, eCommerce, and contact

ACADEMIC PROJECTS

System Software, Compiler in C

Spring 2024

- Create a virtual machine for assembly execution to memory
- Compilation and interpretation for PL/0 language
- Implementation of code generation, interrupt handling, processes, and threads

AI@UCF, Project Smash

Fall 2023 – Spring 2024

- Use Python Machine Learning to model a performant AI for a 2D real-time fighting game
- Weekly AI/Machine Learning Workshops participant

NASA App Challenge, Lunar Simulation

Fall 2021

- Convert lunar heightmap .csv data into 3D meshes using Python
- Traversable lunar terrain in Unity Game Engine
- Used Godot to create a 2D map, navigation, and location marker

SKILLS

Languages: Java, C, Python, JavaScript/TS, Golang, Bash, SQL, HTML/CSS, Bash/Shell, MIPS Assembly

Math: Adv. Calculus, Diff. Eq., Lin. Alg., Discrete Structures, Probability, Statistical Testing, Modern Physics,

Technologies: Docker, GitHub, Postman, AWS EC2, Nix, Linux, Windows, Redis

Libraries: Node.js, React.js, Flask, pandas, NumPy, SciKit-Learn, GraphQL

Hobbies: Bassoon, Basketball, Chess, Exercise, Stocks